

On variational inequalities for auction market problems

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Abstract

We give an equivalent variational inequality formulation for a general class of equilibrium problems based upon auction decision rules. We show that a general relaxation iterative process with conditional gradient extrapolation ensures convergence to a solution under rather mild assumptions. © 2006 Springer-Verlag.

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Keywords

Auction market, Conditional gradient extrapolation, Relaxation process, Variational inequalities